## Introduction to Manufacturing (CIP: PTF13)

A.	Problem Solving and Critical Thinking
	<ul> <li>□ Solve problems and make decisions in work related situations</li> <li>□ Read for information and understanding</li> <li>□ Use observation skills to analyze work related situations</li> <li>□ Apply mathematical processes</li> <li>□ Apply measurement and special skills</li> <li>□ Apply statistical analysis skills</li> <li>□ Analyze critical data to guide work activities</li> <li>□ Utilize scheduling techniques to ensure jobs are completed by the stated due date</li> <li>□ Demonstrate knowledge of the economy and how it functions as a whole</li> <li>□ Demonstrate knowledge of the economy as a framework within which decisions are made by individuals and groups</li> </ul>
В.	Apply Technology  ☐ Demonstrate technological literacy ☐ Access/Transmit information using electronic communication systems ☐ Demonstrate computer literacy ☐ Use database software in work related situations ☐ Use spreadsheet software in work related situations ☐ Use word processing software in work related situations
C.	Communicate Effectively  Apply basic communication skills Apply oral communication skills Apply written communication skills Apply technical writing skills Apply listening skills Apply presentation / demonstration skills Apply graphic communication skills Apply artistic communication skills Convey information through multimedia presentations Create graphs and charts Build interpersonal relationships
D.	Manage Resources (Health and Environmental)  Apply self management processes in the workplace Use reference materials to obtain information appropriate to a given problem, topic or situation Maintain and promote wellness Determine the impact of government regulations and business/industry procedures on the performance of particular work functions Implement safety procedures and programs Support the provision of first aid in accordance with company policy and procedures Manage work and family responsibilities for the well being of self and others Determine resources needed to produce a given product or provide a given service Ensure the quality of products and services Utilize an inventory control system to track supplies, materials, and equipment Make informed financial decisions
Е.	Work Effectively and Responsibly  ☐ Demonstrate leadership ☐ Contribute to teamwork

		Demonstrate responsibility for learning
		Choose ethical courses of action on all work assignments and personal interactions
		Demonstrate the work ethic
		Comply with confidentiality requirements of workplace policies and procedures
		Apply appropriate strategies for dealing with the differences associated with diversity (e.g.: racial, ethnic, gender, educational, personality, social, and age)
F.	Der	nonstrate employability and Manage a Career
		Identify how personal interests, abilities, and skills relate to choosing a career
		Chart career and career planning skills
		Demonstrate skills needed to enter or reenter the workforce
		Demonstrate job keeping skills
		Upgrade career skills
		Explore opportunities to create a business
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